

SYSTEM, METHOD, AND APPARATUS FOR ELECTRONIC PATIENT CARE

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation application of U.S. patent application Ser. No. 13/723,253, filed Dec. 21, 2012 and entitled System, Method, and Apparatus for Electronic Patient Care, which will be U.S. Pat. No. 11,210,611, issuing on Dec. 28, 2021 (Attorney Docket No. J85), which claims priority to and the benefit of the following:

[0002] U.S. Provisional Patent Application Ser. No. 61/578,649, filed Dec. 21, 2011 and entitled System, Method, and Apparatus for Infusing Fluid (Attorney Docket No. J02);

[0003] U.S. Provisional Patent Application Ser. No. 61/578,658, filed Dec. 21, 2011 and entitled System, Method, and Apparatus for Estimating Liquid Delivery (Attorney Docket No. J04);

[0004] U.S. Provisional Patent Application Ser. No. 61/578,674, filed Dec. 21, 2011 and entitled System, Method, and Apparatus for Dispensing Oral Medications (Attorney Docket No. J05);

[0005] U.S. Provisional Patent Application Ser. No. 61/651,322, filed May 24, 2012 and entitled System, Method, and Apparatus for Electronic Patient Care (Attorney Docket No. J46); and

[0006] U.S. Provisional Patent Application Ser. No. 61/679,117, filed Aug. 3, 2012 and entitled System, Method, and Apparatus for Monitoring, Regulating, or Controlling Fluid Flow (Attorney Docket No. J30), each of which is hereby incorporated herein by reference in its entirety.

[0007] U.S. patent application Ser. No. 13/723,253, filed Dec. 21, 2012 and entitled System, Method, and Apparatus for Electronic Patient Care, which will be U.S. Pat. No. 11,210,611, issuing on Dec. 28, 2021 (Attorney Docket No. J85) is also a Continuation-In-Part application of the following:

[0008] U.S. patent application Ser. No. 13/333,574, filed Dec. 21, 2011 and entitled System, Method, and Apparatus for Electronic Patient Care, now U.S. Pat. No. 10,453,157, issued on Oct. 22, 2019 (Attorney Docket No. 197), and

[0009] PCT Application Serial No. PCT/US11/66588, filed Dec. 21, 2011 and entitled System, Method, and Apparatus for Electronic Patient Care (Attorney Docket No. 197 WO), both of which are hereby incorporated herein by reference in their entireties.

[0010] This application may also be related to one or more of the following patent applications filed on Dec. 21, 2012, all of which are hereby incorporated herein by reference in their entireties:

[0011] Nonprovisional application for System, Method, and Apparatus for Clamping (Attorney Docket No. J47), Ser. No. 13/723,238;

[0012] Nonprovisional application for System, Method, and Apparatus for Dispensing Oral Medications Attorney Docket No. J74), Ser. No. 13/723,235;

[0013] PCT application for System, Method, and Apparatus for Dispensing Oral Medications Attorney Docket No. J74WO), Ser. No. PCT/US12/71131;

[0014] Nonprovisional application for System, Method, and Apparatus for Estimating Liquid Delivery (Attorney Docket No. J75), Ser. No. 13/724,568;

[0015] Nonprovisional application for System, Method, and Apparatus for Infusing Fluid (Attorney Docket No. J76), Ser. No. 13/725,790;

[0016] PCT application for System, Method, and Apparatus for Infusing Fluid (Attorney Docket No. J76WO), Ser. No. PCT/US12/71490;

[0017] Nonprovisional application for System, Method, and Apparatus for Electronic Patient Care (Attorney Docket No. J77), Ser. No. 13/723,239;

[0018] Nonprovisional application for System, Method, and Apparatus for Electronic Patient Care (Attorney Docket No. J78), Ser. No. 13/723,242;

[0019] Nonprovisional application for System, Method, and Apparatus for Monitoring, Regulating, or Controlling Fluid Flow (Attorney Docket No. J79), Ser. No. 13/723,244;

[0020] PCT application for System, Method, and Apparatus for Monitoring, Regulating, or Controlling Fluid Flow (Attorney Docket No. J79WO), Ser. No. PCT/US12/71142;

[0021] Nonprovisional application for System, Method, and Apparatus for Estimating Liquid Delivery (Attorney Docket No. J81), Ser. No. 13/723,251; and

[0022] PCT application for System, Method, and Apparatus for Estimating Liquid Delivery (Attorney Docket No. J81WO), Ser. No. PCT/US12/71112.

BACKGROUND

Field of Disclosure

[0023] The present disclosure relates to patient care. More particularly, the present disclosure relates to a system, method, and apparatus for electronic patient care.

Description of Related Art

[0024] Providing patient care in a hospital generally necessitates the interaction of numerous professionals and caregivers (e.g., doctors, nurses, pharmacists, technicians, nurse practitioners, etc.) and any number of medical devices/systems needed for treatment of a given patient. Despite the existence of systems intended to facilitate the care process, such as those incorporating electronic medical records (“EMR”) and computerized provider order entry (“CPOE”), the process of providing comprehensive care to patients including ordering and delivering medical treatments, such as medications, is associated with a number of non-trivial issues.

SUMMARY

[0025] In an exemplary embodiment involving the ordering and administration of medications, the electronic patient care system may comprise a first data-gathering module (e.g., a monitoring client) and a second order-input module (e.g., a fixed or portable monitoring client) having a user interface for transmitting an order or receiving patient-related information. The first module may be configured to receive and store measured parameters pertaining to a patient’s current condition (i.e., patient-condition parameters), such as blood pressure, heart rate, heart rhythm, temperature, oxygenation, respiratory rate, or ventilation, for example. The first module may also be configured to receive information about pre-existing parameters related to the patient from a first database (e.g., an EHR database containing information about the patient), for example, including patient-condition parameters such as medication